RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _____10/525, 536 A_____

Source: _____IFWP_____

Date Processed by STIC: _____08/11/2006_____

ENTERED

IFWP

RAW SEQUENCE LISTING   DATE: 08/11/2006
PATENT APPLICATION: US/10/525,536A   TIME: 11:48:08

Input Set : **F:\CHIRP024US SEQLIST.TXT**
Output Set: **N:\CRF4\08112006\J525536A.raw**

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 4 <110> APPLICANT: Chiron Corporation
 5       The Institute for Genomics Research
 6       Tettelin, Herve
 7       Masignani, Vega
10 <120> TITLE OF INVENTION: Conserved and Specific Streptococcal
11       Genomes
13 <130> FILE REFERENCE: 19195.005/CHIRP024
15 <140> CURRENT APPLICATION NUMBER: US/10/525,536A
15 <141> CURRENT FILING DATE: 2005-02-24
15 <150> PRIOR APPLICATION NUMBER: PCT/US03/26827
16 <151> PRIOR FILING DATE: 2003-08-26
18 <150> PRIOR APPLICATION NUMBER: US 60/406,237
19 <151> PRIOR FILING DATE: 2002-08-26
21 <150> PRIOR APPLICATION NUMBER: US 60/406,676
22 <151> PRIOR FILING DATE: 2002-08-27
24 <150> PRIOR APPLICATION NUMBER: US 60/406,757
25 <151> PRIOR FILING DATE: 2002-08-28
27 <160> NUMBER OF SEQ ID NOS: 1354
29 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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32 <211> LENGTH: 1005
33 <212> TYPE: DNA
34 <213> ORGANISM: Streptococcus agalactiae
36 <400> SEQUENCE: 1
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38 taagatgaag gatattaata attcctgagc aggcataagg gtgtccgtaa gctaatgtcc 120
39 ctccaaaaat attgaatttt tctctctctt caggataata atgattaaat agagcatcaa 180
40 tcgctgcaaa tggttcattc cattcaattg catcataatc cgatattta gtatgagttt 240
41 ctgttaatag tttttccgta gccgtgtgaa ccaattctgg actaagcttg ggatctcctg 300
42 ctacttctac aatgtgaaca atccggaatt ctgttttctg actctgaagc gttagaaatg 360
43 cagcagcatc gtgcattaaa caaacatttc caatagtgag caaaggtgaa ttttccatca 420
44 atcttggtaa tttttgaaaa aatgtttctt ttagtttct aacgccttga tctcgcatcc 480
45 cttccattgg taagattacy tcttctaaat agccaccttg tttagctgtt aaggcgcgtt 540
46 tatggctcaa gaatgccaat ttatctaaca tttctcttct aaaaccatat ttttgacaga 600
47 ctctctgggc cccttctaac attacagttt cagcataaga gtcaggagaa aactgagcaa 660
48 ctgtatattc tccgttacga ttatcttctt tagcataacg tctcataggt tgaagagaac 720
49 tactttcaat cccccccaaca agaacttttt cattaatacc ggtactgatt tttagataac 780
50 caaaaaacaa ggcagaactt gatgaagcac actgcatatc aatcgtttgt actggaatat 840
51 aggattcata atcagaaaaa agagtcatca aacgaccaat attgcccca gtaccaactg 900
52 tgttcccaca aataatacta tcaatgttag attctgattc tatttttttt atttgattta 960
53 aaaggtgtgc tcctaaaagt tctggacggt aagtttaaat tgctt             1005
55 <210> SEQ ID NO: 2
56 <211> LENGTH: 942
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 58 <213> ORGANISM: Streptococcus agalactiae
 60 <400> SEQUENCE: 2
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 62 taaatcaaat aaaaaaaata gaatcagaat ctaatattga tagtattatt tgtgggaaca 120
 63 cagttggtac tgggggcaat attggtcgtt tgatgactct tttttctgat tatgaatcct 180
 64 atattccagt acaaacgatt gatatgcagt gtgcttcatc aagttctgcc ttgttttttg 240
 65 gttatctaaa aatcagtgcc ggtattaatg aaaaagttct tgttggggggg attgaaagta 300
 66 gttctcttca acctatgaga cgttacgcta aagaagataa tcgtaacgga gaatataccg 360
 67 ttgctcagtt ttctcctgac tcttatgctg aaactgtaat gttagaaggg gcacaaagag 420
 68 tctgtcaaaa atatggtttt agaagagaaa tgttagataa attggcattc ttgagccata 480
 69 aacgcgcctt aacagctaaa caaggtggct atttagaaga ggtaatctta ccaatggaag 540
 70 ggatgcgaga tcaaggcgtt agaaaactaa aagaagcatt ttttcaaaaa ttaccaagat 600
 71 tgatggaaaa ttcacctttg ctcactattg gaaatgtttg tttaatgcac gatgctgctg 660
 72 catttctaac gcttcagagt cagaaaacag aattccggat tgttcacatt gtagaagtag 720
 73 caggagatcc caagcttagt ccagaattgg ttcacacggc tacggaaaaa ctattaacag 780
 74 aaactcatac taaaatatcg gattatgatg caattgaatg gaatgaacca tttgcagcga 840
 75 ttgatgcttt atttaatcat tattatcctg aagagagaga aaaattcaat atttttggag 900
 76 gggcattagc ttacggacac ccttatgcct gctcaggaat ta 942
 78 <210> SEQ ID NO: 3
 79 <211> LENGTH: 828
 80 <212> TYPE: DNA
 81 <213> ORGANISM: Streptococcus agalactiae
 83 <400> SEQUENCE: 3
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 85 ttatgaatcc tatattccag tacaaacgat tgatatgcag tgtgcttcat caagttctgc 120
 86 cttgtttttt ggttatctaa aaatcagtgc cggtattaat gaaaaagttc ttgttggggg 180
 87 gattgaaagt agttctcttc aacctatgag acgttacgct aaagaagata atcgtaacgg 240
 88 agaatatacc gttgctcagt tttctcctga ctcttakgct gaaactgtaa tgttagaagg 300
 89 ggcacaaaga gtctgtcaaa aatatggttt tagaagagaa atgttagata aattggcatt 360
 90 cttgagccat aaacgcgcct taacagctaa acaaggtggc tatttagaag aggtaatctt 420
 91 accaatggaa gggatgcgag atcaaggcgt tagaaaacta aagaagcat tttttcaaaa 480
 92 attaccaaga ttgatggraa attcaccttt gctcactatt ggaaatgttt gtttaatgca 540
 93 cgatgctgct gcatttctwa cgcttcagag tcagaaaaca gaattccgga ttgttcacat 600
 94 tgtagaagta gcaggagatc ccaagcttag tccagaattg gttcacacgg ctacggaaaa 660
 95 actattaaca gaaactcata ctaaaatatc ggattatgat gcaattgaat ggaatgaacc 720
 96 atttgcagcg attgatgctt tatttaatca ttattatcct gaagagagag aaaaattcaa 780
 97 tattttttgga ggggcattag cttacggaca cccttatgcc tgctcagg 828
 99 <210> SEQ ID NO: 4
100 <211> LENGTH: 252
101 <212> TYPE: DNA
102 <213> ORGANISM: Streptococcus agalactiae
104 <400> SEQUENCE: 4
105 atcggtataa aagggaagca atttaaaatt accgtccaga acttttagga gcacacctct 60
106 taaatcaaat aaaaaaaata gaatcagaat ctaatattga tagtattatt tgtgggaaca 120
107 cagttggtac tgggggcaat attggtcgtt tgatgactct tttttctgat tatgaatcct 180
108 atattccagt acaaacgatt gatatgcagt gtgcttcatc aagttctgcc ttgttttttg 240
109 ggtatctaaa aa 252
111 <210> SEQ ID NO: 5
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Input Set : **F:\CHIRP024US SEQLIST.TXT**
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112 <211> LENGTH: 372
113 <212> TYPE: DNA
114 <213> ORGANISM: Streptococcus agalactiae
116 <400> SEQUENCE: 5
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118 tttaatgcac gatgctgctg catttctaac gcttcagagt cagaaaacag aattccggat 120
119 tgttcacatt gtagaagtag caggagatcc caagcttagt ccagaattgg ttcacacggc 180
120 tacggaaaaa ctattaacag aaactcatac taaaatatcg gattatgatg caattgaatg 240
121 gaatgaacca tttgcagcga ttgatgcttt atttaatcat tattatcctg aagagagaga 300
122 aaaattcaat attttggag gggcattagc ttacggacac ccttaatgcc tgctcaggaa 360
123 ttattaatat cc                                                    372
125 <210> SEQ ID NO: 6
126 <211> LENGTH: 184
127 <212> TYPE: DNA
128 <213> ORGANISM: Streptococcus agalactiae
130 <400> SEQUENCE: 6
131 ggtataaaag ggaagcaatt taaacattac cgtccagaac ttttaggagc acacctctta 60
132 aatcaaataa aaaaaatata accagaatct aacattgata gtattatttg tgggaacaca 120
133 gttggtactg ggggcaatat tggtcgtttg atgactcttt tttctgatta tgaatcctat 180
134 attc                                                             184
136 <210> SEQ ID NO: 7
137 <211> LENGTH: 422
138 <212> TYPE: DNA
139 <213> ORGANISM: Streptococcus agalactiae
141 <400> SEQUENCE: 7
142 caagattgat ggaaaattca cctttgctca ctattggaaa tgtttgttta atgcacgatg 60
143 ctgctgcatt tctaacgctt cagagtcaga aaacagaatt ccggattgtt cacattgtag 120
144 aagtagcagg agatcccaag cttagtccag aattggttca cacggctacg gaaaaactat 180
145 taacagaaac tcatactaaa atatcggatt atgatgcaat tgaatggaat gaaccatttg 240
146 cagcgattga tgctttattt aatcattatt atcctgaaga gagagaaaaa ttcaatattt 300
147 ttggaggggc attagcttac ggacaccctt atgcctgctc aggaattatt aatatccttc 360
148 atcttatgca ggcattaaaa tataaaaata aacctatggg cctaactgcc attgcagggg 420
149 ca                                                               422
151 <210> SEQ ID NO: 8
152 <211> LENGTH: 531
153 <212> TYPE: DNA
154 <213> ORGANISM: Streptococcus agalactiae
156 <400> SEQUENCE: 8
157 ccttaacagt taaacaaggt ggctatttag aagaggtaat cttaccaatg gaagggatgc 60
158 gagatcaagg cgttagaaaa ctaaaagaaa cattttttca aaaattacca agattgatgg 120
159 aaaattcacc tttgctcact attggaaatg tttgtttaat gcacgatgct gctgcatttc 180
160 taacgcttca gagtcagaaa acagaattcc ggattgttca cattgtagaa gtagcaggag 240
161 atcccaagct tagtccagaa ttggttcaca cggctacgga aaaactatta acagaaactc 300
162 atactaaaat atcggattat gatgcaattg aatggaatga accatttgca gcgattgatg 360
163 ctctatttaa tcattattat cctgaagaga gagaaaaatt caatattttt ggagggacat 420
164 tagcttacgg acacccttat gcctgctcag gaattattaa tatccttcat cttatgcagg 480
165 cattaaaata taaaaataaa cctatgggtc taactgccat tgcaggggca g          531
167 <210> SEQ ID NO: 9
168 <211> LENGTH: 502
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170 <213> ORGANISM: Streptococcus agalactiae
172 <400> SEQUENCE: 9
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174 taaatcaaat aaaaaaaata gaatcagaat ctaacattga tagtattatt tgtgggaaca 120
175 cagttggtac tgggggcaat attggtcgtt tgatgactct tttttctgat tatgaatcct 180
176 atattccagt acaaacgatt gatatgcagt gtgcttcatc aagttctgcc ttgttttttg 240
177 gttatctaaa aatcagtacc ggtattaatg aaaaagttct tgttgggggg attgaaagta 300
178 gttctcttca acctatgaga cgttatgcta aagaagataa tcgtaacgga gaatatacag 360
179 ttgctcagtt ttctcctgac tcttatgctg aaactgtaat gttagaaggg gcccagagag 420
180 tctgtcaaaa atatggtttt agaagagaaa tgttagataa attggcattc ttgagccata 480
181 aacgcgcctt aacagctaaa ca                                         502
183 <210> SEQ ID NO: 10
184 <211> LENGTH: 433
185 <212> TYPE: DNA
186 <213> ORGANISM: Streptococcus agalactiae
188 <400> SEQUENCE: 10
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190 cttttaggag cacacctttt aaatcaaata aaaaaaatag aatcagaatc taacattgat 120
191 agtattattt gtgggaacac agttggtact ggggggcaata ttggtcgttt gatgactctt 180
192 ttttctgatt atgaatccta tattccagta caaacgattg atatgcagtg tgcttcatca 240
193 agttctgcct tgttttttgg ttatctaaaa atcagtaccg gtattaatga aaaagttctt 300
194 gttgggggga ttgaaagtag ttctcttcaa cctatgagac gttatgctaa agaagataat 360
195 cgtaacggag aatatacagt tgctcagttt tctcctgact cttatgctga aactgtaatg 420
196 ttagaagggg ccc                                                   433
198 <210> SEQ ID NO: 11
199 <211> LENGTH: 414
200 <212> TYPE: DNA
201 <213> ORGANISM: Streptococcus agalactiae
203 <400> SEQUENCE: 11
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205 ctaacgcttc agagtcagaa aacagaattc cggattgttc acattgtaga agtagcagga 120
206 gatcccaagc ttagtccaga attggttcac acggctacgg aaaaactatt aacagaaact 180
207 catactaaaa tatcggatta tgatgcaatt gaatggaatg aaccatttgc agcgattgat 240
208 gctctattta atcattatta tcctgaagag agagaaaaat tcaatatttt tggagggaca 300
209 ttagcttacg gacaccctta tgcctgctca ggaattatta atatccttca tcttatgcag 360
210 gcattaaaat ataaaaataa acctatgggt ctaactgcca ttgcaggggc agga        414
212 <210> SEQ ID NO: 12
213 <211> LENGTH: 390
214 <212> TYPE: DNA
215 <213> ORGANISM: Streptococcus agalactiae
217 <400> SEQUENCE: 12
218 cctttgctca ctattggaaa tgtttgttta atgcacgatg ctgctgcatt tctaacgctt  60
219 cagagtcaga aaacagaatt ccggattgtt cacattgtag aagtagcagg agatcccaag 120
220 cttagtccag aattggttca cacggctacg gaaaaactat aacagaaac tcatactaaa 180
221 atatcggatt atgatgcaat tgaatggaat gaaccatttg cagcgattga tgctttattt 240
222 aatcattatt atcctgaaga gagagaaaaa ttcaatattt ttggaggggc attagcttac 300
223 ggacaccctt atgcctgctc aggaattatt aatatccttc atcttatgca ggcattaaaa 360
224 tataaaaata aacctatggg ttctaactgc                                 390
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227 <211> LENGTH: 390
228 <212> TYPE: DNA
229 <213> ORGANISM: Streptococcus agalactiae
231 <400> SEQUENCE: 13
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233 aatagaatca gaatctaata ttgatagtat tatttgtggg aacacagttg gtactggggg 120
234 caatattggt cgtttgatga ctctttttc tgattatgaa tcctatattc cagtacaaac 180
235 gattgatatg cagtgtgctt catcaagttc tgccttgttt tttggttatc taaaaatcag 240
236 tgccggtatt aatgaaaaag ttcttgttgg ggggattgaa agtagttctc ttcaacctat 300
237 gagacgttac gctaaagaag ataatcgtaa cggagaatat accgttgctc agttttctcc 360
238 tgactcttat gctgaaactg taatgttaga 390
240 <210> SEQ ID NO: 14
241 <211> LENGTH: 401
242 <212> TYPE: DNA
243 <213> ORGANISM: Streptococcus agalactiae
245 <400> SEQUENCE: 14
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247 cagagtcaga aaacagaatt ccggattgtt cacattgtag aagtagcagg agatcccaag 120
248 cttagtccag aattggttca cacggctacg gaaaaactat aacagaaac tcatactaaa 180
249 atatcggatt atgatgcaat tgaatggaat gaaccatttg cagcgattga tgctctattt 240
250 aatcattatt atcctgaaga gagagaaaaa ttcaatattt ttggagggac attagcttac 300
251 ggacacccctt atgcctgctc aggaattatt aatatccttc atcttatgca ggcattaaaa 360
252 tataaaaata aacctatggg tctaactgcc attgcagggg c 401
254 <210> SEQ ID NO: 15
255 <211> LENGTH: 400
256 <212> TYPE: DNA
257 <213> ORGANISM: Streptococcus agalactiae
259 <400> SEQUENCE: 15
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261 tcagaaaaca gaattccgga ttgttcacat tgtagaagta gcaggagatc ccaagcttag 120
262 tccagaattg gttcacacgg ctacggaaaa actattaaca gaaactcata ctaaaatatc 180
263 ggattatgat gcaattgaat ggaatgaacc atttgcagcg attgatgctc tatttaatca 240
264 ttattatcct gaagagagag aaaaattcaa tatttttgga ggggcattag cttacggaca 300
265 cccttatgcc tgctcaggaa ttattaatat ccttcatctt atgcaggcat taaaatataa 360
266 aaataaacct atgggtctaa ctgccattgc aggggcagga 400
268 <210> SEQ ID NO: 16
269 <211> LENGTH: 376
270 <212> TYPE: DNA
271 <213> ORGANISM: Streptococcus agalactiae
273 <400> SEQUENCE: 16
274 tttgggctac gaacacctat cggtataaaa gggaagcaat ttaaacatta ccgtccagaa 60
275 ctttaggag cacacctttt aaatcaaata aaaaaaatag aatcagaatc taacattgat 120
276 agtattattt gtgggaacac agttggtact ggggcaata ttggtcgttt gatgactctt 180
277 ttttctgatt atgaatccta tattccagta caaacgattg atatgcagtg tgcttcatca 240
278 agttctgcct tgttttttgg ttatctaaaa atcagtaccg gtattaatga aaaagttctt 300
279 gttggggga ttgaaagtag ttctcttcaa cctatgagac gttatgctaa agaagataat 360
280 cgtaacggag aatata 376
282 <210> SEQ ID NO: 17
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Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

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Seq#:153; Xaa Pos. 109
Seq#:169; Xaa Pos. 1,4
Seq#:171; Xaa Pos. 301
Seq#:177; Xaa Pos. 98
Seq#:184; N Pos. 409,410,424,432
Seq#:192; Xaa Pos. 25
Seq#:195; Xaa Pos. 137,142,144
Seq#:214; Xaa Pos. 53,64,66,67,76,80,87,119,121,127,133,145,146,148,157,165
Seq#:214; Xaa Pos. 170,185,186,199,206,213,215,226,227,231,233,241,246,253
Seq#:214; Xaa Pos. 260,275,284,286,291,294,295,305,313,314,315,326,328,342
Seq#:214; Xaa Pos. 346,348,350,359,360,361,365,366,368,370,372,377,384,386
Seq#:214; Xaa Pos. 392
Seq#:218; Xaa Pos. 346,348,350,359,360
Seq#:219; Xaa Pos. 329,333,335,337,346,347,348,352,353,355,357,359,364,370
Seq#:219; Xaa Pos. 371,373,379,392
Seq#:259; Xaa Pos. 107
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Seq#:383; Xaa Pos. 51
Seq#:418; Xaa Pos. 127
Seq#:438; N Pos. 106
Seq#:442; Xaa Pos. 417,419,422,424,429,435,439,455,469,476,477,493,497,500
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Seq#:442; Xaa Pos. 1159,1164
Seq#:445; Xaa Pos. 427,437,464,478,483,490,498,515,525,557,558,572,574,580
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Seq#:446; Xaa Pos. 1106,1110,1113,1115,1131,1150
Seq#:447; Xaa Pos. 427,437,464,478,483,490,498,515,525,557,558,572,574,580
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Seq#:447; Xaa Pos. 819,829,874,885,926,933,947,962,982,984,1000,1006,1022
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Seq#:512; N Pos. 623

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L:15 M:270 C: Current Application Number differs, Replaced Current Application No
L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:2711 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:153 after pos.:96
L:3153 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:169 after pos.:0
L:3290 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:171 after pos.:288
L:3551 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:177 after pos.:96
L:3743 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:184 after pos.:360
M:341 Repeated in SeqNo=184
L:3922 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:192 after pos.:16
L:4053 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:195 after pos.:128
L:4656 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:214
L:4663 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:214 after pos.:48
M:341 Repeated in SeqNo=214
L:4936 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:218 after pos.:336
M:341 Repeated in SeqNo=218
L:4994 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:219 after pos.:320
M:341 Repeated in SeqNo=219
L:6099 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:259 after pos.:96
L:6975 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:277 after pos.:624
M:341 Repeated in SeqNo=277
L:7072 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:278 after pos.:624
M:341 Repeated in SeqNo=278
L:9073 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:344 after pos.:16
L:9162 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:347 after pos.:16
L:9195 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:348 after pos.:16
L:10739 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:381 after pos.:48
L:10858 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:382 after pos.:64
L:10973 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:383 after pos.:48
L:12025 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:418 after pos.:112
L:12950 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:438 after pos.:60
L:13325 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:442
L:13330 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:442
L:13383 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:442 after pos.:416
M:341 Repeated in SeqNo=442
L:13805 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:445
L:13858 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:445 after pos.:416
M:341 Repeated in SeqNo=445
L:13972 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:446
L:14025 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:446 after pos.:416
M:341 Repeated in SeqNo=446
L:14139 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:447
L:14192 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:447 after pos.:416
M:341 Repeated in SeqNo=447
L:16817 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:512 after pos.:600
L:17444 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:523 after pos.:192
L:18236 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:541 after pos.:32
L:19850 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:570
L:19857 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:570
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VERIFICATION SUMMARY   DATE: 08/11/2006
PATENT APPLICATION: US/10/525,536A   TIME: 11:48:09

Input Set : **F:\CHIRP024US SEQLIST.TXT**
Output Set: **N:\CRF4\08112006\J525536A.raw**

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L:19863 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:570
L:19882 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:570 after pos.:144
M:341 Repeated in SeqNo=570
L:20020 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:571
L:20027 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:571
L:20033 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:571
L:20052 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:571 after pos.:144
M:341 Repeated in SeqNo=571
L:20190 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:572
L:20197 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:572
L:20202 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:572
L:20221 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:572 after pos.:144
M:341 Repeated in SeqNo=572
L:20411 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:573 after pos.:480
M:341 Repeated in SeqNo=573
L:20890 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:586 after pos.:192
L:21119 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:590 after pos.:32
L:21182 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:591 after pos.:32
L:21793 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:608 after pos.:224
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